5   METHOD, SYSTEM, AND PROGRAM FOR MANAGING

DATA TRANSMISSION THROUGH A NETWORK

ABSTRACT

Provided are a method, system, and program for managing data transmission from a

10 source to a destination through a network.   The destination imposes a window value on the

source which limits the quantity of data packets which can be sent from the source to the

destination without receiving an acknowledgment of being received by the destination. In one

embodiment, the source imposes a second window value, smaller than the destination window

value, which limits even further the quantity of data packets which can be sent from the source

15 to the destination without receiving an acknowledgment of being received by the destination.

In another embodiment, a plurality of direct memory access connections are established

between the source and a plurality of specified memory locations of a plurality of destinations.

The source imposes a plurality of message limits, each message limit imposing a separate limit

for each direct memory access connection on the quantity of messages sent from the source to

20 the specified memory location of the direct memory access connection associated with the

message limit and lacking a message acknowledgment of being received by the destination of

the direct memory access connection associated with the message limit.